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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.	AOY-3974US
First Inventor	Masao Nakano et al.
Title	SEMICONDUCTOR COOLING DEVICE

	TRANSMITTAL		Tit	le	SEMICONDUCTO	OR COOLING DEVICE
(Only for n	ew nonprovisional applications under 37 C.F.R. 1.5	3(b))	Ex	press Mail Label No.	EL 985027213 US	3
See MPEP c	APPLICATION ELEMENTS chapter 600 concerning utility patent application contents	tents.		ADDRESS TO	Commission P.O. Box 14	atent Application ner for Patents 50 VA 22313-1450
2.	Fee Transmittal Form (e.g., PTO/SB/17) Submit an original and a duplicate for fee processing Applicant claims small entity status. See 37 CFR 1.27. Specification [Total Pages oreferred arrangement set forth below Descriptive title of the Invention Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure awing(s) (35 U.S.C.113) [Total Sheets Declaration [Total Pages] Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 ((for continuation/divisional with Box 18 comp.) DELETION OF INVENTOR(S) Signed statement attached deleting invennamed in the prior application, see 37 Cf. 1.63(d)(2) and 1.33(b). lication Data Sheet. See 37 CFR 1.76	leted) tor(s)		Computer F 8. Nucleotide and/ (if applicable, a a.	Program (Appendior Amino Acid Seall necessary) er Readable Form in Sequence Listin ROM or CD-R (2) er ints verifying ident in Panying APPL int Papers (cover §3.73(b) Stateme e is an assignee) anslation Docum in Disclosure (IDS)/PTO-1449 by Amendment ceipt Postcard (No especifically item copy of Priority Do priority is claimed ation Request un by Applicant must	equence Submission n (CRF) ng on: copies); or tity of above copies ICATIONS PARTS sheet & document(s)) nt
specification Contine Prior app For CONTIN under Box 5	TINUING APPLICATION, check appropriate box, in following the title, or in an Application Data She nuation Divisional Continual Divisional Continual Divisional Examiner IUATION or DIVISIONAL APPS only: The entire disb, is considered a part of the disclosure of the arther incorporation can only be relied upon when a	eet unde ition-in-pa lisclosur accompa	r 37 art (c e of nyli	' C.F.R. 1.76: CIP) of p Gravitine Graphication, or goontinuation or divi	orior application No: oup / Art Unit: from which an oat isional application	:/ _ th or declaration is supplied and is hereby incorporated by
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Name	RatnerPrestia				<u> </u>	
Address	P.O. Box 980					
City	Valley Forge	State	Ŧ	PA	Zip Code	19482
Country	USA /) Te	lephone	•	(610) 407-0700	Fax	(610) 407-0701
Name (Prin	awrence E. Ashery	7	<i>-</i> 5	Registration No. Atto	rmey/Agent)	34,515
Signature	flow 7	7	_	alf	Date	March 23, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petern and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL	AMOUNT	OF PAYMENT
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(\$)	81

-	Complete if Known	
Application Number	To Be Assigned	
Filing Date	Herewith	
First Named Inventor	Masao Nakano et al.	
Examiner Name		
Art Unit		
Attorney Docket No.	AOY-3974US	

METH	OD OF PAY	MENT (check all that apply)					FEE	CALCULATION (continued)	
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	mall Entity ee Fee	Fee Description		1254	1,480	2254	740	Extension for reply within fourth month	
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	001 385	Utility filing fee 770		1401	330	2401	165	Notice of Appeal	
	002 170 003 265	Design filing fee Plant filing fee		1402	330	2402	165	Filing a brief in support of an appeal	
	003 205	Reissue filing fee		1403	290	2403	145	Request for oral hearing	
1005 160 2	005 80	Provisional filling fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	SUBTOT	AL (1) (\$) 770	ı	1452	110	2452	55	Petition to revive – unavoidable	
				1453	1,330	2453	665	Petition to revive – unintentional	
2. EXTRA CLAIM	FEES FOR U	JTILITY AND REISSUE Extra Fee from Fee		1501	1,330	2501	665	Utility issue fee (or reissue)	
T-1-1 01-1-1-		Claims below Paid	1	1502	480	2502	240	Design issue fee	
Total Claims 2	-20** =]]	1503	640	2503	320	Plant issue fee	
Claims 2	-3** =	0 X 86 = 0		1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent		x = 0		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity	Small Entity			1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Code (\$)	Fee Fee Code (\$)	- Fee Description		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1202 18	2202 9	Claims in excess of 20		1809	770	2809	385	Filing a submission after final rejection (37	
1201 86	2201 43			1810	770	2810	385	CFR § 1.129(a)) For each additional invention to be	
1203 290	2203 145	 Multiple dependent claim, if not paid ** Reissue independent claims over 		1010	770	2010	303	examined (37 CFR § 1.129(b))	
1204 86	2204 43	original patent		1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent		1802	900	1802	900	Request for expedited examination of a design application	
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SUBMITTED BY	-/	/				Con	nplete (if applicable)
Name (Print/Type)	Kaw	rence E. Ashery	R	registration No. Attorney Agent)	34,515	Telephone	(610) 407-0700
Signature	1	un,	7	(Pelson		Date	March 23, 2004

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ERTIFICATE OF MAIL pplicant(s): M. Nakano et	ING BY "EXPRESS MAIL" tal.	" (37 CFR 1.10)	Docket No. AOY-3974US
Serial No.	Filing Date	L Examiner	Group Art Unit
To Be Assigned	Herewith		
vention: SEMICONDUC	TOR COOLING DEVICE		
I hereby certify that the foll Utility Patent Application	owing correspondence: Transmittal and its enclosure	es	·
CFR 1.10 in an envelope a			ldressee" service under 37
CFR 1.10 in an envelope a Mail Stop Patent Application	United States Postal Service "Enddressed to: on, P.O. Box 1450, Alexandria, VA	Express Mail Post Office to Ad 22313-1450 Kathleen Libby (Typed or Printed Name of Po	erson Mailing Correspondence)
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